



DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
~~FEDERAL SECURITY AGENCY~~
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

August 14, 1953

Communicable Disease Center
Enteric Bacteriology Laboratories
P.O. Box 1600
Chamblee, Georgia

Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg:

We have your letters of July 22 and August 11. Both Cherry and I had examined the kunzendorf strain 302-50. In ordinary diagnostic tests we were not able to detect crossing with group B serum. Of course, it would be rather foolhardy to say that any two Salmonella cultures do not have antigens in common since they all have a tendency to degrade to rough forms which are more or less related. I believe Cherry has written you regarding the action of phages on the kunzendorf cultures.

Fortunately, I now have reprints from Iseki and have returned yours under separate cover. Thank you very much indeed for the loan of them. Some observations which Miss McWhorter made and which Cherry followed up indicate that Iseki may be right about V antigen. As yet we are not prepared to make any definite statements. Of course, this affects the question as to whether antigen V was transduced to S. abortus equi. It may be that the antigen had only been uncovered, as the a antigen.

The H antigens of your 1043-G2 are identical with those of S. enteritidis as demonstrated by reciprocal absorption tests. I will send you the protocols.

For the Officer-in-Charge, Bacteriology Section

Sincerely yours,

Philip R. Edwards, Ph. D.
Bacteriologist-in-Charge
Enteric Bacteriology Unit